

Construction on Klickitat's New Wastewater Facility and Collection System is Under Way

In 2002, Klickitat PUD (KPUD) met with the Department of Ecology and agreed to a court order for replacement of the existing wastewater system in the town of Klickitat.

KPUD hired an engineering firm, Gray and Osborne (G&O), to prepare a wastewater facility plan to determine the best course of action.

From this study—funded by grants from the U.S. Forest Service and the Washington State Community Development Block Grant Program—it was determined the Klickitat Wastewater Collection System significantly contributed to the marginal performance of the treatment plant in bad weather.

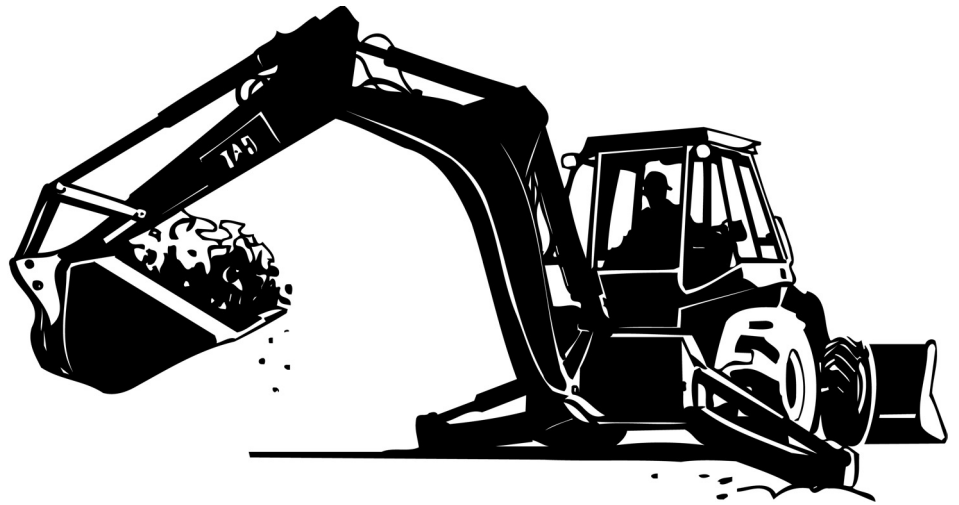
The need for replacement of the collection system and a new treatment plant gave KPUD an opportunity to build a wastewater facility that not only would minimize the operation and maintenance expenses, but would treat the wastewater with a collection system, including the use of interceptor tanks and new collection system piping.

During the next two years, as G&O completed the engineering work, KPUD and the town searched for grants to fund the project.

The Department of Ecology was instrumental in bringing all of the funding agencies, KPUD and the community together to orchestrate the project.

These efforts were rewarded with construction funding through grants from the Washington State Special Appropriation office, the U.S. Environmental Protection Agency, the Washington State Department of Community Trade and Economic Development, and a grant/loan package from the Department of Ecology.

KPUD extends its thanks to the funding agencies and the Klickitat Community Council for their efforts in ensuring successful completion of the project.



On May 9, 2006, the KPUD Board of Commissioners authorized a notice to proceed to Strider Construction for construction of the collection system, and to Stellar J Corporation for construction of the treatment plant.

The sewer pipe replacement for the collection system will start the farthest away from the wastewater plant. Individual services and interceptor tanks will be installed for each property owner, and the new collection piping will be pulled through the old piping, using high-density polyethylene pipe.

The pipe has a low friction factor that can be welded, so it can be pulled long distances.

With both contractors now on site in Klickitat, cooperation and communication between the con-

tractors, homeowners, residents and KPUD is vital. Property owners in Klickitat did their part by granting 169 individual property easements. The easements are required for the funding agencies to pay for the work being done on private property between the main line and each individual house.

Since the new wastewater plant is designed to accept only filtered discharge from the interceptor tanks, replacement of the collection system must be completed before the new wastewater treatment plant can be put into operation.

Therefore, the treatment plant will be built in two stages. The first half will be completed on a portion of the plant not essential for daily operations. It will consist of a flow monitoring station, lift station, recirculation tank, gravel filter, splitter box and ultraviolet disinfection.

Once this portion of the project is complete and the new collection system is installed, the old treatment plant will be demolished and the rest of the new treatment plant will be completed.

The estimated completion date for the new collection system is December, with completion of the new treatment plant scheduled for May 2007. An open house to showcase the new facility is scheduled later in 2007. ■